

Name of Work :Improvements of Rcc Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Item of Work :Improvements of Rcc Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification										
Vide premeasurement page no. 1 to 3							1282.91			
Present Qty							1282.91	Cum	220.40	282753.09
Removing And Refixing stone slabs of drains and pointing in C.M (1:3).										
Vide premeasurement page no. 4 to 5							143.01			
Present Qty							143.01	Sqm	111.30	15917.01
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.										
Vide premeasurement page no. 6 to 8							347.16			
Present Qty							347.16	Sqm	5421.90	1882285.10
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM										
Vide premeasurement page no. 9 to 11							263.69			
Present Qty							263.69	Sqm	7070.20	1864370.80
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.										
Vide premeasurement page no. 12 to 13							20.46			
Present Qty							20.46	Ton	72326.98	1479643.19

Contractor



Assistant Engineer

[Signature]

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ, ಅಣಿಯಂತಗರು

ಯಲಸೋಲಿ, ಬಳ್ಳಾರಿ ಜಿಲ್ಲೆ, ಕರ್ನಾಟಕ

ಜಿ.ಕೆ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-105

29.11.2019

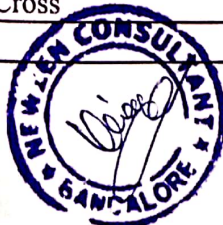
C&FC
29/11/2019

Name of Work : Improvements of Rec Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

Detailed measurement recorded on: 20/12/2019

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of								
	Basavalingappa Layout								
	1st Main Road								
	LHS								
		1	30.00	0.90		27.00			
		1	30.00	0.90		27.00			
		1	30.00	0.90		27.00			
		1	23.80	0.90		21.42			
	1st -2nd Cross	1	11.10	0.90		9.99			
	2nd -3rd Cross	1	10.40	0.90		9.36			
	3rd -4th Cross	1	10.32	0.90		9.29			
	4th - 5th Cross	1	17.00	0.90		15.30			
	5th - 7th Cross	1	15.82	0.90		14.24			
	RHS								
	1st -2nd Cross	1	16.40	0.90		14.76			
	2nd -3rd Cross	1	15.22	0.90		13.70			
	3rd -4th Cross	1	14.00	0.90		12.60			
	4th - 5th Cross	1	18.40	0.90		16.56			
	5th - 7th Cross	1	18.60	0.90		16.74			
		1	30.00	0.90		27.00			
		1	2.30	0.90		2.07			
		1	25.70	0.90		23.13			
		1	10.00	0.90		9.00			
		1	7.40	0.90		6.66			
	2nd Main Road								
	RHS								
		1	30.00	0.90		27.00			
		1	22.00	0.90		19.80			
		1	23.80	0.90		21.42			
		1	20.60	0.90		18.54			
	1st -2nd Cross	1	10.00	0.90		9.00			
	2nd -3rd Cross	1	6.30	0.90		5.67			
	3rd - 4th Cross	1	6.77	0.90		6.09			
	4th - 5th Cross	1	8.20	0.90		7.38			
	LHS								

Executive Engineer
B.B.M.P Division
Yelahanka



20/12/2019

ಸಹಾಯಕ ಅಯುಕ್ತರ ಕಛೇರಿ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಸಿ, ಬೆಂಗಳೂರು-105
20/12/2019

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	1st -2nd Cross	1	12.00	0.90		10.80			
	2nd -3rd Cross	1	6.70	0.90		6.03			
	3rd - 4th Cross	1	13.77	0.90		12.39			
	4th - 5th Cross	1	16.50	0.90		14.85			
		1	25.15	0.90		22.64			
		1	27.50	0.90		24.75			
		1	25.00	0.90		22.50			
		1	3.90	0.90		3.51			
Present Qty						535.19	Sqm	2337.00	1250727.35

Contractor



Assistant Engineer

20/12/2019

ಶಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕೆ
ಜಿ.ಕ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106

20/12/2019

Executive Engineer
R.B.M. Division
Yelahanka

Name of Work :Improvements of Rec Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

Pre measurement recorded on: 27/12/2019

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
8	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.										
	Vide premeasurement page no. 14 to 15							1471.29			
	Present Qty							1471.29	Sqm	6.36	9357.39

9	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix										
	Vide premeasurement page no. 16 to 18							220.69			
	Present Qty							220.69	Cum	2001.28	441668.74

Contractor



Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer
ಯಶವಂತ ನಗರ ಮಹಾನಗರ ಪಾಲಿಕೆ.
ಬಿ.ಬಿ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106

27/12/2019

27/12/2019

**Name of Work :Improvements of Rcc Drains and CC Roads to Main Roads at Basavalingappa
Layout and Surrounding areas in Ward No.03**

Detailed measurement recorded on: 21/12/2020

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
10	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggretes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)										
	For CC Road										
	1st Main Road										
	LHS	1	30.00	1.20	1.15	1.18	0.15	5.29			
		1	30.00	1.15	1.20	1.18	0.15	5.29			
		1	30.00	1.20	1.15	1.18	0.15	5.29			
		1	30.00	1.15	1.30	1.23	0.15	5.51			
	RHS	1	30.00	1.25	1.20	1.23	0.15	5.51			
		1	30.00	1.20	1.15	1.18	0.15	5.29			
		1	30.00	1.15	1.20	1.18	0.15	5.29			
		1	30.00	1.20	1.15	1.18	0.15	5.29			
	2nd Main Road										
	LHS	1	30.00	1.30	1.20	1.25	0.15	5.63			
		1	30.00	1.20	1.10	1.15	0.15	5.18			
		1	30.00	1.10	1.20	1.15	0.15	5.18			
		1	14.00	1.20	1.10	1.15	0.15	2.42			
	RHS	1	30.00	1.20	1.10	1.15	0.15	5.18			
		1	30.00	1.10	1.20	1.15	0.15	5.18			
		1	30.00	1.20	1.15	1.18	0.15	5.29			
		1	14.00	1.15	1.20	1.18	0.15	2.47			
	1st Cross										
	RHS	1	30.00	1.10	1.20	1.15	0.15	5.18			
		1	15.40	1.20	0.95	1.08	0.15	2.48			
		1	30.00	0.95	0.75	0.85	0.15	3.83			
		1	24.60	0.75	0.60	0.68	0.15	2.49			
	2nd Cross										
	LHS	1	30.00	1.00	1.05	1.03	0.15	4.61			
		1	24.90	1.05	1.10	1.08	0.15	4.02			
		1	30.00	1.10	0.95	1.03	0.15	4.61			
		1	17.70	0.95	0.90	0.93	0.15	2.46			
	RHS	1	30.00	1.10	1.05	1.08	0.15	4.84			
		1	24.90	1.05	0.95	1.00	0.15	3.74			
		1	30.00	0.95	0.90	0.93	0.15	4.16			
		1	17.70	0.90	1.05	0.98	0.15	2.59			
	3rd Cross										



[Signature]

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಸುಪರಿವೈಸರಿ.

21/12/2020 ಬಿ.ಬಿ.ಎಂ.ಎ. ಬೆಂಗಳೂರು-106

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
	LHS	1	30.00	1.05	1.10	1.08	0.15	4.84			
		1	22.30	1.10	1.05	1.08	0.15	3.60			
		1	30.00	1.05	0.95	1.00	0.15	4.50			
		1	24.00	0.95	1.00	0.98	0.15	3.51			
	RHS	1	30.00	1.00	0.95	0.98	0.15	4.39			
		1	22.30	0.95	1.00	0.98	0.15	3.26			
		1	30.00	1.00	0.95	0.98	0.15	4.39			
		1	24.00	0.95	1.20	1.08	0.15	3.87			
	4th Cross										
	LHS	1	30.00	1.10	0.95	1.03	0.15	4.61			
		1	25.20	0.95	1.15	1.05	0.15	3.97			
		1	30.00	1.15	0.95	1.05	0.15	4.73			
		1	25.70	0.95	1.20	1.08	0.15	4.14			
	RHS	1	30.00	1.05	1.10	1.08	0.15	4.84			
		1	25.20	1.10	1.00	1.05	0.15	3.97			
		1	30.00	1.00	1.05	1.03	0.15	4.61			
		1	25.70	1.05	0.90	0.98	0.15	3.76			
	5th Cross										
	LHS	1	30.00	1.00	1.05	1.03	0.15	4.61			
		1	21.20	1.05	0.95	1.00	0.15	3.18			
		1	30.00	0.95	0.95	0.95	0.15	4.28			
		1	15.20	0.95	1.05	1.00	0.15	2.28			
	RHS	1	30.00	0.95	1.00	0.98	0.15	4.39			
		1	21.20	1.00	1.10	1.05	0.15	3.34			
		1	30.00	1.10	1.05	1.08	0.15	4.84			
		1	15.20	1.05	1.20	1.13	0.15	2.57			
Present Qty								220.69	Cum	5210.96	1150023.05

Contractor



Assistant Engineer

2/1/2020

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ, ಅಭಿವೃದ್ಧಿ
ಯೋಜನೆ ಸಚಿವಾಲಯ, ಬೆಂಗಳೂರು-108
2/1/2020

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
		1	17.70	0.90	1.05	0.98		17.26			
	3rd Cross										
	LHS	1	30.00	1.05	1.10	1.08		32.25			
		1	22.30	1.10	1.05	1.08		23.97			
		1	30.00	1.05	0.95	1.00		30.00			
		1	24.00	0.95	1.00	0.98		23.40			
	RHS	1	30.00	1.00	0.95	0.98		29.25			
		1	22.30	0.95	1.00	0.98		21.74			
		1	30.00	1.00	0.95	0.98		29.25			
		1	24.00	0.95	1.20	1.08		25.80			
	4th Cross										
	LHS	1	30.00	1.10	0.95	1.03		30.75			
		1	25.20	0.95	1.15	1.05		26.46			
		1	30.00	1.15	0.95	1.05		31.50			
		1	25.70	0.95	1.20	1.08		27.63			
	RHS	1	30.00	1.05	1.10	1.08		32.25			
		1	25.20	1.10	1.00	1.05		26.46			
		1	30.00	1.00	1.05	1.03		30.75			
		1	25.70	1.05	0.90	0.98		25.06			
	5th Cross										
	LHS	1	30.00	1.00	1.05	1.03		30.75			
		1	21.20	1.05	0.95	1.00		21.20			
		1	30.00	0.95	0.95	0.95		28.50			
		1	15.20	0.95	1.05	1.00		15.20			
	RHS	1	30.00	0.95	1.00	0.98		29.25			
		1	21.20	1.00	1.10	1.05		22.26			
		1	30.00	1.10	1.05	1.08		32.25			
		1	15.20	1.05	1.20	1.13		17.10			
Present Qty								1471.29	Sqm	72.08	106050.40

Total	8540660.36
GST Charges 12%	1024879.24
KRIDL Charges 4%	341626.41
Grand Total	9907166.02

Contractor



[Signature]
Assistant Engineer

C & FC
[Signature]
ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ - ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಮಂಡಳಿ, ಬೆಂಗಳೂರು.
6/11/2022 ಬಿ.ಎಂ.ಡಿ. ಬೆಂಗಳೂರು-106